



Model 3020, 3030 and 3040 Series Single-Stage High-Purity/High Delivery Pressure Brass Regulators



Description

High-purity brass regulators designed for delivery pressures up to 2500 psig.

Applications

- Applications requiring delivery pressures up to 2500 psig.
- Delivery of gas to manufacturing processes, charging of systems, purging.

Design Features/Components

- High-purity brass barstock body
- High-purity 316 stainless steel diaphragm (Model 3020 Series) or 316 stainless steel piston (Model 3030 and 3040 Series)
- Metal to metal seals (Model 3020 Series) minimize diffusion of contaminants
- 2-1/2" inlet and delivery pressure gauges
- Equipped with outlet needle valve
- 1/4" NPTM outlet connection
- Porous metal filter protects seat from contamination
- Panel mountable

Materials of Construction

	<u>Model 3020 Series</u>	<u>Model 3030-3040 Series</u>
Gauges:	Chrome plated brass	Chrome plated brass
Body:	Nickel plated brass barstock	Nickel plated brass barstock
Bonnet:	Nickel plated brass	Nickel plated brass
Diaphragm:	316 stainless steel	—
Piston:	—	316 stainless steel
Seat:	PFA Teflon	Kel-F 81
Seals:	Metal to metal	Teflon & Viton A

Specifications

Maximum Inlet Pressure:	3000 psig (20,700 kPa)
Maximum Flow Rate: (At 2500 psig, N ₂)	Model 3020: 5000 SCFH (2360 SLPM) Model 3030: 4600 SCFH (2170 SLPM) Model 3040: 4600 SCFH (2170 SLPM)
Flow Capacity (Cv):	0.06
Operating Temperature:	-15°F to 165°F (-26°C to 74°C)
Porting (Regulator Body):	1/4" NPT Female
Porting Configuration:	2 High, 2 Low
Shipping Weight:	5 lbs

Ordering Information

Model Number	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
3020-CGA	20-500 psig	0-1000 psig	0-3000 psig
3030-CGA	100-1500 psig	0-2000 psig	0-4000 psig
3040-CGA	100-2500 psig	0-3000 psig	0-4000 psig

Options

Model Number	Description
ADP-0163-BO	Bonnet Vent Fitting to 1/8" Hose
ADP-0162-BO	Bonnet Vent Adapter to 1/8" FNPT
KIT-0204-SA	Bonnet Panel Mounting Kit
MSP-0012-XX	Inboard Helium Leak Rate Certification (Model 3020 only)
MSP-0013-XX	Combination Inboard/Outboard Helium Leak Rate Certification (Model 3020 only)